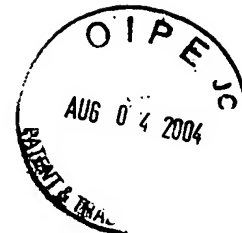


# SEQUENCE LISTING



<110> Leake, Devin  
Reynolds, Angela  
Khvorova, Anastasia  
Marshall, William

<120> Modified Polynucleotides for Use in RNA  
Interference

<130> 13510 CIP

<140> 10/613,077

<141> 2003-07-01

<150> 10/406,908

<151> 2003-04-02

<160> 314

<170> FastSEQ for Windows Version 4.0

<210> 1

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
3' end

<221> modified\_base

<222> (20)...(21)

<223> 2' deoxythymidine

<400> 1

gugaugaug ucagagagut t

21

<210> 2

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
3' end

<221> modified\_base

<222> (20)...(21)

<223> 2' deoxythymidine

<400> 2

acucucugac auacaucact t

21

<210> 3  
 <211> 21  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
       3' end  
  
 <221> modified\_base  
 <222> (20)...(21)  
 <223> 2' deoxythymidine  
  
 <221> modified\_base  
 <222> (1)...(19)  
 <223> 2' orthoester  
  
 <400> 3  
 gugaugaug ucagagagut t 21  
  
 <210> 4  
 <211> 21  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
       3' end  
  
 <221> modified\_base  
 <222> (20)...(21)  
 <223> 2' deoxythymidine  
  
 <221> modified\_base  
 <222> (1)...(19)  
 <223> 2' orthoester  
  
 <400> 4  
 acucucugac auacaucact t 21  
  
 <210> 5  
 <211> 21  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
       3' end  
  
 <221> modified\_base  
 <222> (2)...(4)  
 <223> phosphorothioate modified internucleotide linkages  
  
 <221> modified\_base

<222> (16)...(18)  
 <223> phosphorothioate modified internucleotide linkages

<221> modified\_base  
 <222> (20)...(21)  
 <223> 2' deoxythymidine

<400> 5  
 acucucugac auacaucact t 21

<210> 6  
 <211> 21  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at 3' end

<221> modified\_base  
 <222> (2)...(6)  
 <223> phosphorothioate modified internucleotide linkages

<221> modified\_base  
 <222> (14)...(18)  
 <223> phosphorothioate modified internucleotide linkages

<221> modified\_base  
 <222> (20)...(21)  
 <223> 2' deoxythymidine

<400> 6  
 acucucugac auacaucact t 21

<210> 7  
 <211> 21  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at 3' end

<221> modified\_base  
 <222> (2)...(7)  
 <223> 2' fluoro

<221> modified\_base  
 <222> 10,12,14,16,17,19  
 <223> 2' fluoro

<221> modified\_base  
 <222> (2)...(6)  
 <223> phosphorothioate modified internucleotide linkages

<221> modified\_base  
 <222> (14)...(18)  
 <223> phosphorothioate modified internucleotide linkages

<221> modified\_base  
 <222> (20)...(21)  
 <223> 2' deoxythymidine

<400> 7  
 acucucugac auacaucact t 21

<210> 8  
 <211> 21  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at 3' end

<221> modified\_base  
 <222> 2,5,7,9,11,12,19  
 <223> 2' amino

<221> modified\_base  
 <222> (20)...(21)  
 <223> 2' deoxythymidine

<400> 8  
 gugaugaug ucagagagut t 21

<210> 9  
 <211> 21  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at 3' end

<221> modified\_base  
 <222> (2)...(6)  
 <223> 2' amino

<221> modified\_base  
 <222> (20)...(21)  
 <223> 2' deoxythymidine

<400> 9  
 acucucugac auacaucact t 21

<210> 10  
 <211> 21  
 <212> DNA  
 <213> Artificial Sequence

<220>  
<223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
3' end

<221> modified\_base  
<222> (2)...(18)  
<223> phosphorothioate modified internucleotide linkages

<221> modified\_base  
<222> (20)...(21)  
<223> 2' deoxythymidine

<400> 10  
gugaugaug ucagagagut t 21

<210> 11  
<211> 21  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
3' end

<221> modified\_base  
<222> (2)...(18)  
<223> phosphorothioate modified internucleotide linkages

<221> modified\_base  
<222> (0)...(0)  
<223> 2' deoxythymidine

<400> 11  
acucucugac auacaucact t 21

<210> 12  
<211> 21  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
3' end

<221> modified\_base  
<222> (2)...(6)  
<223> phosphorothioate modified internucleotide linkages

<221> modified\_base  
<222> (14)...(18)  
<223> phosphorothioate modified internucleotide linkages

<221> modified\_base  
<222> (20)...(21)

<223> 2' deoxythymidine

<400> 12

acucucugac auacaucact t

21

<210> 13

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
3' end

<221> modified\_base

<222> 2,5,7,9,11,19

<223> 2'- O-methyl

<221> modified\_base

<222> (20)...(21)

<223> 2' deoxythymidine

<400> 13

gugaugaug ucagagagut t

21

<210> 14

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
3' end

<221> modified\_base

<222> 2,3,4,5,6,12,14,16,17,19

<223> 2' omethyl

<221> modified\_base

<222> (20)...(21)

<223> 2' deoxythymidine

<400> 14

acucucugac auacaucact t

21

<210> 15

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
3' end

<221> modified\_base

<222> 1,3,5,7,9,11,13,15,17

<223> 2'-deoxy

<221> modified\_base

<222> (20)...(21)

<223> 2' deoxythymidine

<400> 15

gugaugaug ucagagagut t

21

<210> 16

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
3' end

<221> modified\_base

<222> 2,4,6,14,16,18,

<223> 2'-deoxy

<221> modified\_base

<222> (20)...(21)

<223> 2' deoxythymidine

<400> 16

acucucugac auacaucact t

21

<210> 17

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
3' end

<221> modified\_base

<222> 2,5,7,9,11,12,19

<223> 2' fluoro

<221> modified\_base

<222> (20)...(21)

<223> 2' deoxythymidine

<400> 17

gugaugaug ucagagagut t

21

<210> 18

<211> 21

<212> DNA

<213> Artificial Sequence

<220>  
<223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
3' end

<221> modified\_base  
<222> (20)...(21)  
<223> 2' deoxythymidine

<400> 18  
ugguguuugg caaaguucut t 21

<210> 19  
<211> 21  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
3' end

<221> modified\_base  
<222> (20)...(21)  
<223> 2' deoxythymidine

<400> 19  
agaacuuugc caaacaccat t 21

<210> 20  
<211> 21  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
3' end

<221> modified\_base  
<222> 1,4,6,7,8,11,16,17,18,19  
<223> 2' fluoro

<221> modified\_base  
<222> (20)...(21)  
<223> 2' deoxythymidine

<400> 20  
ugguguuugg caaaguucut t 21

<210> 21  
<211> 21  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
3' end



<221> modified\_base

<222> (5)...(8)

<223> 2' fluoro

<221> modified\_base

<222> 10,11,15,17,18

<223> 2' fluoro

<221> modified\_base

<222> (20)...(21)

<223> 2' deoxythymidine

<400> 21

agaacuuugc caaacaccat t

21

<210> 22

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
3' end

<221> modified\_base

<222> (5)...(7)

<223> 2' fluoro

<221> modified\_base

<222> 10,11,15,17,18

<223> 2' fluoro

<221> modified\_base

<222> (20)...(21)

<223> 2' deoxythymidine

<400> 22

agaacuuugc caaacaccat t

21

<210> 23

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
3' end

<221> modified\_base

<222> (5)...(7)

<223> 2' fluoro

<221> modified\_base

<222> 15,17,18

<223> 2' fluoro

<221> modified\_base

<222> (20)...(21)

<223> 2' deoxythymidine

<400> 23

agaacuuugc caaacaccat t

21

<210> 24

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
3' end

<221> modified\_base

<222> 8

<223> 2' fluoro

<221> modified\_base

<222> (20)...(21)

<223> 2' deoxythymidine

<400> 24

agaacuuugc caaacaccat t

21

<210> 25

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
3' end

<221> modified\_base

<222> 3,4,6,8,9,10,13,14,16,18

<223> 2' fluoro

<221> modified\_base

<222> (20)...(21)

<223> 2' deoxythymidine

<400> 25

gauuau gucc gguuau g uat t

21

<210> 26

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
3' end

<221> modified\_base  
<222> 1,3,5,8,9,13,15,18,19  
<223> 2' fluoro

<221> modified\_base  
<222> (20)...(21)  
<223> 2' deoxythymidine

<400> 26  
uacauaacg gacauauct t 21

<210> 27  
<211> 21  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
3' end

<221> modified\_base  
<222> (17)...(19)  
<223> 2'-deoxy

<221> modified\_base  
<222> (20)...(21)  
<223> 2' deoxythymidine

<400> 27  
uuuauagagga ucucucugat t 21

<210> 28  
<211> 21  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
3' end

<221> modified\_base  
<222> (16)...(18)  
<223> 2'-deoxy

<221> modified\_base  
<222> (20)...(21)  
<223> 2' deoxythymidine

<400> 28  
uuuauagagga ucucucugat t 21

<210> 29

<211> 21  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
 3' end  
  
 <221> modified\_base  
 <222> (13)...(15)  
 <223> 2'-deoxy  
  
 <221> modified\_base  
 <222> (20)...(21)  
 <223> 2' deoxythymidine  
  
 <400> 29  
 uuuaugagga ucucucugat t 21  
  
 <210> 30  
 <211> 21  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
 3' end  
  
 <221> modified\_base  
 <222> (10)...(12)  
 <223> 2'-deoxy  
  
 <221> modified\_base  
 <222> (20)...(21)  
 <223> 2' deoxythymidine  
  
 <400> 30  
 uuuaugagga ucucucugat t 21  
  
 <210> 31  
 <211> 21  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
 3' end  
  
 <221> modified\_base  
 <222> (7)...(9)  
 <223> 2'-deoxy  
  
 <221> modified\_base  
 <222> (20)...(21)  
 <223> 2' deoxythymidine

<400> 31  
 uuuaugagga ucucucugat t 21  
  
 <210> 32  
 <211> 21  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
 3' end  
  
 <221> modified\_base  
 <222> (5)...(7)  
 <223> 2'-deoxy  
  
 <221> modified\_base  
 <222> (20)...(21)  
 <223> 2' deoxythymidine  
  
 <400> 32  
 uuuaugagga ucucucugat t 21  
  
 <210> 33  
 <211> 21  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
 3' end  
  
 <221> modified\_base  
 <222> (1)...(3)  
 <223> 2'-deoxy  
  
 <221> modified\_base  
 <222> (20)...(21)  
 <223> 2' deoxythymidine  
  
 <400> 33  
 uuuaugagga ucucucugat t 21  
  
 <210> 34  
 <211> 21  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
 3' end  
  
 <221> modified\_base  
 <222> (18)...(19)

<223> 2'-deoxy

<223> 2' deoxythymidine

<400> 34

uuuauaggga ucucucugat t

21

<210> 35

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
3' end

<221> modified\_base

<222> (17)...(18)

<223> 2'-deoxy

<221> modified\_base

<222> (20)...(21)

<223> 2' deoxythymidine

<400> 35

uuuauaggga ucucucugat t

21

<210> 36

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
3' end

<221> modified\_base

<222> (15)...(16)

<223> 2'-deoxy

<221> modified\_base

<222> (20)...(21)

<223> 2' deoxythymidine

<400> 36

uuuauaggga ucucucugat t

21

<210> 37

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
3' end

<221> modified\_base

<222> (13)...(14)

<223> 2'-deoxy

<221> modified\_base

<222> (20)...(21)

<223> 2' deoxythymidine

<400> 37

uuuauagagga ucucucugat t

21

<210> 38

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
3' end

<221> modified\_base

<222> (11)...(12)

<223> 2'-deoxy

<221> modified\_base

<222> (20)...(21)

<223> 2' deoxythymidine

<400> 38

uuuauagagga ucucucugat t

21

<210> 39

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
3' end

<221> modified\_base

<222> (9)...(10)

<223> 2'-deoxy

<221> modified\_base

<222> (20)...(21)

<223> 2' deoxythymidine

<400> 39

uuuauagagga ucucucugat t

21

<210> 40

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
3' end

<221> modified\_base

<222> (7)...(8)

<223> 2'-deoxy

<221> modified\_base

<222> (20)...(21)

<223> 2' deoxythymidine

<400> 40

uuuauagagga ucucucugat t 21

<210> 41

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
3' end

<221> modified\_base

<222> (5)...(6)

<223> 2'-deoxy

<221> modified\_base

<222> (20)...(21)

<223> 2' deoxythymidine

<400> 41

uuuauagagga ucucucugat t 21

<210> 42

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
3' end

<221> modified\_base

<222> (3)...(4)

<223> 2'-deoxy

<221> modified\_base

<222> (20)...(21)

<223> 2' deoxythymidine

<400> 42



uuuauagagga ucucucugat t

21

<210> 43

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
3' end

<221> modified\_base

<222> (1)...(2)

<223> 2'-deoxy

<221> modified\_base

<222> (20)...(21)

<223> 2' deoxythymidine

<400> 43

uuuauagagga ucucucugat t

21

<210> 44

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
3' end

<221> modified\_base

<222> 19

<223> 2'-deoxy

<221> modified\_base

<222> (20)...(21)

<223> 2' deoxythymidine

<400> 44

uuuauagagga ucucucugat t

21

<210> 45

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
3' end

<221> modified\_base

<222> 18

<223> 2'-deoxy

<221> modified\_base  
 <222> (20)...(21)  
 <223> 2' deoxythymidine

<400> 45  
 uuuaugagga ucucucugat t 21

<210> 46  
 <211> 21  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at 3' end

<221> modified\_base  
 <222> 17  
 <223> 2'-deoxy

<221> modified\_base  
 <222> (20)...(21)  
 <223> 2' deoxythymidine

<400> 46  
 uuuaugagga ucucucugat t 21

<210> 47  
 <211> 21  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at 3' end

<221> modified\_base  
 <222> 16  
 <223> 2'-deoxy

<221> modified\_base  
 <222> (20)...(21)  
 <223> 2' deoxythymidine

<400> 47  
 uuuaugagga ucucucugat t 21

<210> 48  
 <211> 21  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at 3' end

<221> modified\_base  
 <222> 15  
 <223> 2'-deoxy

<221> modified\_base  
 <222> (20)...(21)  
 <223> 2' deoxythymidine

<400> 48  
 uuuaugagga ucucucugat t 21

<210> 49  
 <211> 21  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
 3' end

<221> modified\_base  
 <222> 14  
 <223> 2'-deoxy

<221> modified\_base  
 <222> (20)...(21)  
 <223> 2' deoxythymidine

<400> 49  
 uuuaugagga ucucucugat t 21

<210> 50  
 <211> 21  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
 3' end

<221> modified\_base  
 <222> 13  
 <223> 2'-deoxy

<221> modified\_base  
 <222> (20)...(21)  
 <223> 2' deoxythymidine

<400> 50  
 uuuaugagga ucucucugat t 21

<210> 51  
 <211> 21  
 <212> DNA

<213> Artificial Sequence

<220>

<223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
3' end

<221> modified\_base

<222> 12

<223> 2'-deoxy

<221> modified\_base

<222> (20)...(21)

<223> 2' deoxythymidine

<400> 51

uuuauaggga ucucucugat t 21

<210> 52

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
3' end

<221> modified\_base

<222> 11

<223> 2'-deoxy

<221> modified\_base

<222> (20)...(21)

<223> 2' deoxythymidine

<400> 52

uuuauaggga ucucucugat t 21

<210> 53

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
3' end

<221> modified\_base

<222> 10

<223> 2'-deoxy

<221> modified\_base

<222> (20)...(21)

<223> 2' deoxythymidine

<400> 53

uuuauagagga ucucucugat t

21

<210> 54

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
3' end

<221> modified\_base

<222> 9

<223> 2'-deoxy

<221> modified\_base

<222> (20)...(21)

<223> 2' deoxythymidine

<400> 54

uuuauagagga ucucucugat t

21

<210> 55

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
3' end

<221> modified\_base

<222> 8

<223> 2'-deoxy

<221> modified\_base

<222> (20)...(21)

<223> 2' deoxythymidine

<400> 55

uuuauagagga ucucucugat t

21

<210> 56

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
3' end

<221> modified\_base

<222> 7

<223> 2'-deoxy

<221> modified\_base  
 <222> (20)...(21)  
 <223> 2' deoxythymidine

<400> 56  
 uuuaugagga ucucucugat t 21

<210> 57  
 <211> 21  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
 3' end

<221> modified\_base  
 <222> 6  
 <223> 2'-deoxy

<221> modified\_base  
 <222> (20)...(21)  
 <223> 2' deoxythymidine

<400> 57  
 uuuaugagga ucucucugat t 21

<210> 58  
 <211> 21  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
 3' end

<221> modified\_base  
 <222> 5  
 <223> 2'-deoxy

<221> modified\_base  
 <222> (20)...(21)  
 <223> 2' deoxythymidine

<400> 58  
 uuuaugagga ucucucugat t 21

<210> 59  
 <211> 21  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
 3' end

<221> modified\_base

<222> 4

<223> 2'-deoxy

<221> modified\_base

<222> (20)...(21)

<223> 2' deoxythymidine

<400> 59

uuuauagagga ucucucugat t

21

<210> 60

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
3' end

<221> modified\_base

<222> 3

<223> 2'-deoxy

<221> modified\_base

<222> (20)...(21)

<223> 2' deoxythymidine

<400> 60

uuuauagagga ucucucugat t

21

<210> 61

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
3' end

<221> modified\_base

<222> 2

<223> 2'-deoxy

<221> modified\_base

<222> (20)...(21)

<223> 2' deoxythymidine

<400> 61

uuuauagagga ucucucugat t

21

<210> 62

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
3' end

<221> modified\_base

<222> 1

<223> 2'-deoxy

<221> modified\_base

<222> (20)...(21)

<223> 2' deoxythymidine

<400> 62

uuuauagga ucucucugat t 21

<210> 63

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
3' end

<221> modified\_base

<222> (17)...(19)

<223> 2'-deoxy

<221> modified\_base

<222> (20)...(21)

<223> 2' deoxythymidine

<400> 63

ucagagagau ccucauaat t 21

<210> 64

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
3' end

<221> modified\_base

<222> (16)...(18)

<223> 2'-deoxy

<221> modified\_base

<222> (20)...(21)

<223> 2' deoxythymidine

<400> 64



ucagagagau ccucauaaat t

21

<210> 65

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
3' end

<221> modified\_base

<222> (13)...(15)

<223> 2'-deoxy

<221> modified\_base

<222> (20)...(21)

<223> 2' deoxythymidine

<400> 65

ucagagagau ccucauaaat t

21

<210> 66

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
3' end

<221> modified\_base

<222> (10)...(12)

<223> 2'-deoxy

<221> modified\_base

<222> (20)...(21)

<223> 2' deoxythymidine

<400> 66

ucagagagau ccucauaaat t

21

<210> 67

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
3' end

<221> modified\_base

<222> (7)...(9)

<223> 2'-deoxy

<221> modified\_base  
 <222> (20)...(21)  
 <223> 2' deoxythymidine

<400> 67  
 ucagagagau ccucauaaat t 21

<210> 68  
 <211> 21  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at 3' end

<221> modified\_base  
 <222> (4)...(6)  
 <223> 2'-deoxy

<221> modified\_base  
 <222> (20)...(21)  
 <223> 2' deoxythymidine

<400> 68  
 ucagagagau ccucauaaat t 21

<210> 69  
 <211> 21  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at 3' end

<221> modified\_base  
 <222> (1)...(3)  
 <223> 2'-deoxy

<221> modified\_base  
 <222> (20)...(21)  
 <223> 2' deoxythymidine

<400> 69  
 ucagagagau ccucauaaat t 21

<210> 70  
 <211> 21  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at 3' end

<221> modified\_base

<222> (18)...(19)

<223> 2'-deoxy

<221> modified\_base

<222> (20)...(21)

<223> 2' deoxythymidine

<400> 70

ucagagagau ccucauaaat t

21

<210> 71

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
3' end

<221> modified\_base

<222> (17)...(18)

<223> 2'-deoxy

<221> modified\_base

<222> (20)...(21)

<223> 2' deoxythymidine

<400> 71

ucagagagau ccucauaaat t

21

<210> 72

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
3' end

<221> modified\_base

<222> (15)...(16)

<223> 2'-deoxy

<221> modified\_base

<222> (20)...(21)

<223> 2' deoxythymidine

<400> 72

ucagagagau ccucauaaat t

21

<210> 73

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
3' end

<221> modified\_base

<222> (13)...(14)

<223> 2'-deoxy

<221> modified\_base

<222> (20)...(21)

<223> 2' deoxythymidine

<400> 73

ucagagagau ccucauaaat t 21

<210> 74

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
3' end

<221> modified\_base

<222> (11)...(12)

<223> 2'-deoxy

<221> modified\_base

<222> (20)...(21)

<223> 2' deoxythymidine

<400> 74

ucagagagau ccucauaaat t 21

<210> 75

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
3' end

<221> modified\_base

<222> (9)...(10)

<223> 2'-deoxy

<221> modified\_base

<222> (20)...(21)

<223> 2' deoxythymidine

<400> 75

ucagagagau ccucauaaat t

21

<210> 76

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
3' end

<221> modified\_base

<222> (7)...(8)

<223> 2'-deoxy

<221> modified\_base

<222> (20)...(21)

<223> 2' deoxythymidine

<400> 76

ucagagagau ccucauaaat t

21

<210> 77

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
3' end

<221> modified\_base

<222> (5)...(6)

<223> 2'-deoxy

<221> modified\_base

<222> (20)...(21)

<223> 2' deoxythymidine

<400> 77

ucagagagau ccucauaaat t

21

<210> 78

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
3' end

<221> modified\_base

<222> (3)...(4)

<223> 2'-deoxy

<221> modified\_base  
 <222> (20)...(21)  
 <223> 2' deoxythymidine

<400> 78  
 ucagagagau ccucauaaat t 21

<210> 79  
 <211> 21  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at 3' end

<221> modified\_base  
 <222> (1)...(2)  
 <223> 2'-deoxy

<221> modified\_base  
 <222> (20)...(21)  
 <223> 2' deoxythymidine

<400> 79  
 ucagagagau ccucauaaat t 21

<210> 80  
 <211> 21  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at 3' end

<221> modified\_base  
 <222> 19  
 <223> 2'-deoxy

<221> modified\_base  
 <222> (20)...(21)  
 <223> 2' deoxythymidine

<400> 80  
 ucagagagau ccucauaaat t 21

<210> 81  
 <211> 21  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at 3' end

<221> modified\_base

<222> 18

<223> 2'-deoxy

<221> modified\_base

<222> (20)...(21)

<223> 2' deoxythymidine

<400> 81

ucagagagau ccucauaaat t

21

<210> 82

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
3' end

<221> modified\_base

<222> 17

<223> 2'-deoxy

<221> modified\_base

<222> (20)...(21)

<223> 2' deoxythymidine

<400> 82

ucagagagau ccucauaaat t

21

<210> 83

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
3' end

<221> modified\_base

<222> 16

<223> 2'-deoxy

<221> modified\_base

<222> (20)...(21)

<223> 2' deoxythymidine

<400> 83

ucagagagau ccucauaaat t

21

<210> 84

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
3' end

<221> modified\_base

<222> 15

<223> 2'-deoxy

<221> modified\_base

<222> (20)...(21)

<223> 2' deoxythymidine

<400> 84

ucagagagau ccucauaaat t 21

<210> 85

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
3' end

<221> modified\_base

<222> 14

<223> 2'-deoxy

<221> modified\_base

<222> (20)...(21)

<223> 2' deoxythymidine

<400> 85

ucagagagau ccucauaaat t 21

<210> 86

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
3' end

<221> modified\_base

<222> 13

<223> 2'-deoxy

<221> modified\_base

<222> (20)...(21)

<223> 2' deoxythymidine

<400> 86



ucagagagau ccucauaaat t

21

<210> 87

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
3' end

<221> modified\_base

<222> 12

<223> 2'-deoxy

<221> modified\_base

<222> (20)...(21)

<223> 2' deoxythymidine

<400> 87

ucagagagau ccucauaaat t

21

<210> 88

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
3' end

<221> modified\_base

<222> 11

<223> 2'-deoxy

<221> modified\_base

<222> (20)...(21)

<223> 2' deoxythymidine

<400> 88

ucagagagau ccucauaaat t

21

<210> 89

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
3' end

<221> modified\_base

<222> 10

<223> 2'-deoxy

<221> modified\_base  
 <222> (20)...(21)  
 <223> 2' deoxythymidine

<400> 89  
 ucagagagau ccucauaaat t 21

<210> 90  
 <211> 21  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
 3' end

<221> modified\_base  
 <222> 9  
 <223> 2'-deoxy

<221> modified\_base  
 <222> (20)...(21)  
 <223> 2' deoxythymidine

<400> 90  
 ucagagagau ccucauaaat t 21

<210> 91  
 <211> 21  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
 3' end

<221> modified\_base  
 <222> 8  
 <223> 2'-deoxy

<221> modified\_base  
 <222> (20)...(21)  
 <223> 2' deoxythymidine

<400> 91  
 ucagagagau ccucauaaat t 21

<210> 92  
 <211> 21  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
 3' end

<223> 2'-deoxy

<221> modified\_base

<222> (20)...(21)

<223> 2' deoxythymidine

<400> 92

ucagagagau ccucauaaat t

21

<210> 93

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
3' end

<221> modified\_base

<222> 6

<223> 2'-deoxy

<221> modified\_base

<222> (20)...(21)

<223> 2' deoxythymidine

<400> 93

ucagagagau ccucauaaat t

21

<210> 94

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
3' end

<221> modified\_base

<222> 5

<223> 2'-deoxy

<221> modified\_base

<222> (20)...(21)

<223> 2' deoxythymidine

<400> 94

ucagagagau ccucauaaat t

21

<210> 95

<211> 21

<212> DNA

<213> Artificial Sequence

<220>  
 <223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
 3' end

<221> modified\_base  
 <222> 4  
 <223> 2'-deoxy

<221> modified\_base  
 <222> (20)...(21)  
 <223> 2' deoxythymidine

<400> 95  
 ucagagagau ccucauaaat t 21

<210> 96  
 <211> 21  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
 3' end

<221> modified\_base  
 <222> 3  
 <223> 2'-deoxy

<221> modified\_base  
 <222> (20)...(21)  
 <223> 2' deoxythymidine

<400> 96  
 ucagagagau ccucauaaat t 21

<210> 97  
 <211> 21  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
 3' end

<221> modified\_base  
 <222> 2  
 <223> 2'-deoxy

<221> modified\_base  
 <222> (20)...(21)  
 <223> 2' deoxythymidine

<400> 97  
 ucagagagau ccucauaaat t 21

<210> 98  
 <211> 21  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
 3' end  
  
 <221> modified\_base  
 <222> 1  
 <223> 2'-deoxy  
  
 <221> modified\_base  
 <222> (20)...(21)  
 <223> 2' deoxythymidine  
  
 <400> 98  
 ucagagagau ccucaaaat t 21  
  
 <210> 99  
 <211> 21  
 <212> DNA )  
 <213> Artificial Sequence  
  
 <220>  
 <223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
 3' end  
  
 <221> modified\_base  
 <222> (17)...(19)  
 <223> 2'-O-methyl  
  
 <221> modified\_base  
 <222> (20)...(21)  
 <223> 2' deoxythymidine  
  
 <400> 99  
 uuuaugagga ucucucugat t 21  
  
 <210> 100  
 <211> 21  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
 3' end  
  
 <221> modified\_base  
 <222> (16)...(18)  
 <223> 2'-O-methyl  
  
 <221> modified\_base  
 <222> (20)...(21)

<223> 2' deoxythymidine

<400> 100

uuuauagagga ucucucugat t 21

<210> 101

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
3' end

<221> modified\_base

<222> (13)...(15)

<223> 2'-O-methyl

<221> modified\_base

<222> (20)...(21)

<223> 2' deoxythymidine

<400> 101

uuuauagagga ucucucugat t 21

<210> 102

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
3' end

<221> modified\_base

<222> (10)...(12)

<223> 2'-O-methyl

<221> modified\_base

<222> (20)...(21)

<223> 2' deoxythymidine

<400> 102

uuuauagagga ucucucugat t 21

<210> 103

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
3' end

<221> modified\_base

<222> (7)...(9)  
 <223> 2'-O-methylcm  
  
 <221> modified\_base  
 <222> (20)...(21)  
 <223> 2' deoxythymidine  
  
 <400> 103  
 uuuaugagga ucucucugat t 21  
  
 <210> 104  
 <211> 21  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
 3' end  
  
 <221> modified\_base  
 <222> (4)...(6)  
 <223> 2'-O-methyl  
  
 <221> modified\_base  
 <222> (20)...(21)  
 <223> 2' deoxythymidine  
  
 <400> 104  
 uuuaugagga ucucucugat t 21  
  
 <210> 105  
 <211> 21  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
 3' end  
  
 <221> modified\_base  
 <222> (1)...(3)  
 <223> 2'-O-methyl  
  
 <221> modified\_base  
 <222> (20)...(21)  
 <223> 2' deoxythymidine  
  
 <400> 105  
 uuuaugagga ucucucugat t 21  
  
 <210> 106  
 <211> 21  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
 3' end

<221> modified\_base  
 <222> (18)...(19)  
 <223> 2'-O-methyl

<221> modified\_base  
 <222> (20)...(21)  
 <223> 2' deoxythymidine

<400> 106  
 uuuaugagga ucucucugat t 21

<210> 107  
 <211> 21  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
 3' end

<221> modified\_base  
 <222> (17)...(18)  
 <223> 2'-O-methyl

<221> modified\_base  
 <222> (20)...(21)  
 <223> 2' deoxythymidine

<400> 107  
 uuuaugagga ucucucugat t 21

<210> 108  
 <211> 21  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
 3' end

<221> modified\_base  
 <222> (15)...(16)  
 <223> 2'-O-methyl

<221> modified\_base  
 <222> (20)...(21)  
 <223> 2' deoxythymidine

<400> 108  
 uuuaugagga ucucucugat t 21



<210> 109  
 <211> 21  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
 3' end  
  
 <221> modified\_base  
 <222> (13)...(14)  
 <223> 2'-O-methyl  
  
 <221> modified\_base  
 <222> (20)...(21)  
 <223> 2' deoxythymidine  
  
 <400> 109  
 uuuaugagga ucucucugat t 21  
  
 <210> 110  
 <211> 21  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
 3' end  
  
 <221> modified\_base  
 <222> (11)...(12)  
 <223> 2'-O-methyl  
  
 <221> modified\_base  
 <222> (20)...(21)  
 <223> 2' deoxythymidine  
  
 <400> 110  
 uuuaugagga ucucucugat t 21  
  
 <210> 111  
 <211> 21  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
 3' end  
  
 <221> modified\_base  
 <222> (9)...(10)  
 <223> 2'-O-methyl  
  
 <221> modified\_base  
 <222> (20)...(21)

<223> 2' deoxythymidine

<400> 111

uuuauagagga ucucucugat t 21

<210> 112

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
3' end

<221> modified\_base

<222> (7)...(8)

<223> 2'-O-methyl

<221> modified\_base

<222> (20)...(21)

<223> 2' deoxythymidine

<400> 112

uuuauagagga ucucucugat t 21

<210> 113

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
3' end

<221> modified\_base

<222> (5)...(6)

<223> 2'-O-methyl

<221> modified\_base

<222> (20)...(21)

<223> 2' deoxythymidine

<400> 113

uuuauagagga ucucucugat t 21

<210> 114

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
3' end

<221> modified\_base

<222> (3)...(4)  
 <223> 2'-O-methyl

<221> modified\_base  
 <222> (20)...(21)  
 <223> 2' deoxythymidine

<400> 114  
 uuuaugagga ucucucugat t 21

<210> 115  
 <211> 21  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
 3' end

<221> modified\_base  
 <222> (1)...(2)  
 <223> 2'-O-methyl

<221> modified\_base  
 <222> (20)...(21)  
 <223> 2' deoxythymidine

<400> 115  
 uuuaugagga ucucucugat t 21

<210> 116  
 <211> 21  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
 3' end

<221> modified\_base  
 <222> 19  
 <223> 2'-O-methyl

<221> modified\_base  
 <222> (20)...(21)  
 <223> 2' deoxythymidine

<400> 116  
 uuuaugagga ucucucugat t 21

<210> 117  
 <211> 21  
 <212> DNA  
 <213> Artificial Sequence

<220>  
<223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
3' end

<221> modified\_base  
<222> 18  
<223> 2'-O-methyl

<221> modified\_base  
<222> (20)...(21)  
<223> 2' deoxythymidine

<400> 117  
uuuauagagga ucucucugat t 21

<210> 118  
<211> 21  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
3' end

<221> modified\_base  
<222> 17  
<223> 2'-O-methyl

<221> modified\_base  
<222> (20)...(21)  
<223> 2' deoxythymidine

<400> 118  
uuuauagagga ucucucugat t 21

<210> 119  
<211> 21  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
3' end

<221> modified\_base  
<222> 16  
<223> 2'-O-methyl

<221> modified\_base  
<222> (20)...(21)  
<223> 2' deoxythymidine

<400> 119  
uuuauagagga ucucucugat t 21

<210> 120  
 <211> 21  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
 3' end  
  
 <221> modified\_base  
 <222> 15  
 <223> 2'-O-methyl  
  
 <221> modified\_base  
 <222> (20)...(21)  
 <223> 2' deoxythymidine  
  
 <400> 120  
 uuuaugagga ucucucugat t 21  
  
 <210> 121  
 <211> 21  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
 3' end  
  
 <221> modified\_base  
 <222> 14  
 <223> 2'-O-methyl  
  
 <221> modified\_base  
 <222> (20)...(21)  
 <223> 2' deoxythymidine  
  
 <400> 121  
 uuuaugagga ucucucugat t 21  
  
 <210> 122  
 <211> 21  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
 3' end  
  
 <221> modified\_base  
 <222> 13  
 <223> 2'-O-methyl  
  
 <221> modified\_base  
 <222> (20)...(21)

<223> 2' deoxythymidine

<400> 122

uuuauagagga ucucucugat t 21

<210> 123

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
3' end

<221> modified\_base

<222> 12

<223> 2'-O-methyl

<221> modified\_base

<222> (20)...(21)

<223> 2' deoxythymidine

<400> 123

uuuauagagga ucucucugat t 21

<210> 124

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
3' end

<221> modified\_base

<222> 11

<223> 2'-O-methyl

<221> modified\_base

<222> (20)...(21)

<223> 2' deoxythymidine

<400> 124

uuuauagagga ucucucugat t 21

<210> 125

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
3' end

<221> modified\_base

<222> 10  
 <223> 2'-O-methyl

<221> modified\_base  
 <222> (20)...(21)  
 <223> 2' deoxythymidine

<400> 125  
 uuuaugagga ucucucugat t 21

<210> 126  
 <211> 21  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
 3' end

<221> modified\_base  
 <222> 9  
 <223> 2'-O-methyl

<221> modified\_base  
 <222> (20)...(21)  
 <223> 2' deoxythymidine

<400> 126  
 uuuaugagga ucucucugat t 21

<210> 127  
 <211> 21  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
 3' end

<221> modified\_base  
 <222> 8  
 <223> 2'-O-methyl

<221> modified\_base  
 <222> (20)...(21)  
 <223> 2' deoxythymidine

<400> 127  
 uuuaugagga ucucucugat t 21

<210> 128  
 <211> 21  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
 3' end

<221> modified\_base  
 <222> 7  
 <223> 2'-O-methyl

<221> modified\_base  
 <222> (20)...(21)  
 <223> 2' deoxythymidine

<400> 128  
 uuuaugagga ucucucugat t 21

<210> 129  
 <211> 21  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
 3' end

<221> modified\_base  
 <222> 6  
 <223> 2'-O-methyl

<221> modified\_base  
 <222> (20)...(21)  
 <223> 2' deoxythymidine

<400> 129  
 uuuaugagga ucucucugat t 21

<210> 130  
 <211> 21  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
 3' end

<221> modified\_base  
 <222> 5  
 <223> 2'-O-methyl

<221> modified\_base  
 <222> (20)...(21)  
 <223> 2' deoxythymidine

<400> 130  
 uuuaugagga ucucucugat t 21



<210> 131  
 <211> 21  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at 3' end  
  
 <221> modified\_base  
 <222> 4  
 <223> 2'-O-methyl  
  
 <221> modified\_base  
 <222> (20)...(21)  
 <223> 2' deoxythymidine  
  
 <400> 131  
 uuuaugagga ucucucugat t 21  
  
 <210> 132  
 <211> 21  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at 3' end  
  
 <221> modified\_base  
 <222> 3  
 <223> 2'-O-methyl  
  
 <221> modified\_base  
 <222> (20)...(21)  
 <223> 2' deoxythymidine  
  
 <400> 132  
 uuuaugagga ucucucugat t 21  
  
 <210> 133  
 <211> 21  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at 3' end  
  
 <221> modified\_base  
 <222> 2  
 <223> 2'-O-methyl  
  
 <221> modified\_base  
 <222> (20)...(21)

<223> 2' deoxythymidine

<400> 133

uuuauagagga ucucucugat t

21

<210> 134

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
3' end

<221> modified\_base

<222> 1

<223> 2'-O-methyl

<221> modified\_base

<222> (20)...(21)

<223> 2' deoxythymidine

<400> 134

uuuauagagga ucucucugat t

21

<210> 135

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
3' end

<221> modified\_base

<222> (17)...(19)

<223> 2'-O-methyl

<221> modified\_base

<222> (20)...(21)

<223> 2' deoxythymidine

<400> 135

ucagagagau ccucauaaat t

21

<210> 136

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
3' end

<221> modified\_base

<222> (16)...(18)  
 <223> 2'-O-methyl  
  
 <221> modified\_base  
 <222> (20)...(21)  
 <223> 2' deoxythymidine  
  
 <400> 136  
 ucagagagau ccucauaaat t 21  
  
 <210> 137  
 <211> 21  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
 3' end  
  
 <221> modified\_base  
 <222> (13)...(15)  
 <223> 2'-O-methyl  
  
 <221> modified\_base  
 <222> (20)...(21)  
 <223> 2' deoxythymidine  
  
 <400> 137  
 ucagagagau ccucauaaat t 21  
  
 <210> 138  
 <211> 21  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
 3' end  
  
 <221> modified\_base  
 <222> (10)...(12)  
 <223> 2'-O-methyl  
  
 <221> modified\_base  
 <222> (20)...(21)  
 <223> 2' deoxythymidine  
  
 <400> 138  
 ucagagagau ccucauaaat t 21  
  
 <210> 139  
 <211> 21  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
 3' end

<221> modified\_base  
 <222> (7)...(9)  
 <223> 2'-O-methyl

<221> modified\_base  
 <222> (20)...(21)  
 <223> 2' deoxythymidine

<400> 139  
 ucagagagau ccucauaaat t 21

<210> 140  
 <211> 21  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
 3' end

<221> modified\_base  
 <222> (4)...(6)  
 <223> 2'-O-methyl

<221> modified\_base  
 <222> (20)...(21)  
 <223> 2' deoxythymidine

<400> 140  
 ucagagagau ccucauaaat t 21

<210> 141  
 <211> 21  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
 3' end

<221> modified\_base  
 <222> (1)...(3)  
 <223> 2'-O-methyl

<221> modified\_base  
 <222> (20)...(21)  
 <223> 2' deoxythymidine

<400> 141  
 ucagagagau ccucauaaat t 21

<210> 142  
<211> 21  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at 3' end

<221> modified\_base  
<222> (19)...(20)  
<223> 2'-O-methyl

<221> modified\_base  
<222> (20)...(21)  
<223> 2' deoxythymidine

<400> 142  
ucagagagau ccucauaaat t 21

<210> 143  
<211> 21  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at 3' end

<221> modified\_base  
<222> (16)...(17)  
<223> 2'-O-methyl

<221> modified\_base  
<222> (20)...(21)  
<223> 2' deoxythymidine

<400> 143  
ucagagagau ccucauaaat t 21

<210> 144  
<211> 21  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at 3' end

<221> modified\_base  
<222> (14)...(15)  
<223> 2'-O-methyl

<221> modified\_base  
<222> (20)...(21)

<223> 2' deoxythymidine

<400> 144

ucagagagau ccucaaaaat t 21

<210> 145

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
3' end

<221> modified\_base

<222> (12)...(13)

<221> modified\_base

<222> (20)...(21)

<223> 2' deoxythymidine

<400> 145

ucagagagau ccucaaaaat t 21

<210> 146

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
3' end

<221> modified\_base

<222> (10)...(11)

<223> 2'-O-methyl

<221> modified\_base

<222> (20)...(21)

<223> 2' deoxythymidine

<400> 146

ucagagagau ccucaaaaat t 21

<210> 147

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
3' end

<221> modified\_base

<222> (8)...(9)

<223> 2'-O-methyl

<221> modified\_base

<222> (20)...(21)

<223> 2' deoxythymidine

<400> 147

ucagagagau ccucauaaat t

21

<210> 148

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
3' end

<221> modified\_base

<222> (6)...(7)

<223> 2'-O-methyl

<221> modified\_base

<222> (20)...(21)

<223> 2' deoxythymidine

<400> 148

ucagagagau ccucauaaat t

21

<210> 149

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
3' end

<221> modified\_base

<222> (5)...(6)

<223> 2'-O-methyl

<221> modified\_base

<222> (20)...(21)

<223> 2' deoxythymidine

<400> 149

ucagagagau ccucauaaat t

21

<210> 150

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
3' end

<221> modified\_base

<222> (3)...(4)

<223> 2'-O-methyl

<221> modified\_base

<222> (20)...(21)

<223> 2' deoxythymidine

<400> 150

ucagagagau ccucauaaat t

21

<210> 151

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
3' end

<221> modified\_base

<222> (1)...(2)

<223> 2'-O-methyl

<221> modified\_base

<222> (20)...(21)

<223> 2' deoxythymidine

<400> 151

ucagagagau ccucauaaat t

21

<210> 152

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
3' end

<221> modified\_base

<222> 19

<223> 2'-O-methyl

<221> modified\_base

<222> (20)...(21)

<223> 2' deoxythymidine

<400> 152

ucagagagau ccucauaaat t

21

<210> 153



<211> 21  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
 3' end  
  
 <221> modified\_base  
 <222> 18  
 <223> 2'-O-methyl  
  
 <221> modified\_base  
 <222> (20)...(21)  
 <223> 2' deoxythymidine  
  
 <400> 153  
 ucagagagau ccucauaaat t 21  
  
 <210> 154  
 <211> 21  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
 3' end  
  
 <221> modified\_base  
 <222> 17  
 <223> 2'-O-methyl  
  
 <221> modified\_base  
 <222> (20)...(21)  
 <223> 2' deoxythymidine  
  
 <400> 154  
 ucagagagau ccucauaaat t 21  
  
 <210> 155  
 <211> 21  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
 3' end  
  
 <221> modified\_base  
 <222> 16  
 <223> 2'-O-methyl  
  
 <221> modified\_base  
 <222> (20)...(21)  
 <223> 2' deoxythymidine

<400> 155  
 ucagagagau ccucauaaat t 21  
  
 <210> 156  
 <211> 21  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
 3' end  
  
 <221> modified\_base  
 <222> 15  
 <223> 2'-O-methyl  
  
 <221> modified\_base  
 <222> (20)...(21)  
 <223> 2' deoxythymidine  
  
 <400> 156  
 ucagagagau ccucauaaat t 21  
  
 <210> 157  
 <211> 21  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
 3' end  
  
 <221> modified\_base  
 <222> 14  
 <223> 2'-O-methyl  
  
 <221> modified\_base  
 <222> (20)...(21)  
 <223> 2' deoxythymidine  
  
 <400> 157  
 ucagagagau ccucauaaat t 21  
  
 <210> 158  
 <211> 21  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
 3' end  
  
 <221> modified\_base  
 <222> 13

<223> 2'-O-methyl

<221> modified\_base

<222> (20)...(21)

<223> 2' deoxythymidine

<400> 158

ucagagagau ccucauaaat t

21

<210> 159

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
3' end

<221> modified\_base

<222> 12

<223> 2'-O-methyl

<221> modified\_base

<222> (20)...(21)

<223> 2' deoxythymidine

<400> 159

ucagagagau ccucauaaat t

21

<210> 160

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
3' end

<221> modified\_base

<222> 11

<223> 2'-O-methyl

<221> modified\_base

<222> (20)...(21)

<223> 2' deoxythymidine

<400> 160

ucagagagau ccucauaaat t

21

<210> 161

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
3' end

<221> modified\_base

<222> 10

<223> 2'-O-methyl

<221> modified\_base

<222> (20)...(21)

<223> 2' deoxythymidine

<400> 161

ucagagagau ccucauaaat t

21

<210> 162

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
3' end

<221> modified\_base

<222> 9

<223> 2'-O-methyl

<221> modified\_base

<222> (20)...(21)

<223> 2' deoxythymidine

<400> 162

ucagagagau ccucauaaat t

21

<210> 163

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
3' end

<221> modified\_base

<222> 8

<223> 2'-O-methyl

<221> modified\_base

<222> (20)...(21)

<223> 2' deoxythymidine

<400> 163

ucagagagau ccucauaaat t

21

<210> 164

<211> 21  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
 3' end  
  
 <221> modified\_base  
 <222> 7  
 <223> 2'-O-methyl  
  
 <221> modified\_base  
 <222> (20)...(21)  
 <223> 2' deoxythymidine  
  
 <400> 164  
 ucagagagau ccucaaaaat t 21  
  
 <210> 165  
 <211> 21  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
 3' end  
  
 <221> modified\_base  
 <222> 6  
 <223> 2'-O-methyl  
  
 <221> modified\_base  
 <222> (20)...(21)  
 <223> 2' deoxythymidine  
  
 <400> 165  
 ucagagagau ccucaaaaat t 21  
  
 <210> 166  
 <211> 21  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
 3' end  
  
 <221> modified\_base  
 <222> 5  
 <223> 2'-O-methyl  
  
 <221> modified\_base  
 <222> (20)...(21)  
 <223> 2' deoxythymidine

<400> 166  
 ucagagagau ccucauaaat t 21  
  
 <210> 167  
 <211> 21  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
 3' end  
  
 <221> modified\_base  
 <222> 4  
 <223> 2'-O-methyl  
  
 <221> modified\_base  
 <222> (20)...(21)  
 <223> 2' deoxythymidine  
  
 <400> 167  
 ucagagagau ccucauaaat t 21  
  
 <210> 168  
 <211> 21  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
 3' end  
  
 <221> modified\_base  
 <222> 3  
 <223> 2'-O-methyl  
  
 <221> modified\_base  
 <222> (20)...(21)  
 <223> 2' deoxythymidine  
  
 <400> 168  
 ucagagagau ccucauaaat t 21  
  
 <210> 169  
 <211> 21  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
 3' end  
  
 <221> modified\_base  
 <222> 2

<223> 2'-O-methyl

<221> modified\_base

<222> (20)...(21)

<223> 2' deoxythymidine

<400> 169

ucagagagau ccucauaaat t

21

<210> 170

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
3' end

<221> modified\_base

<222> 1

<223> 2'-O-methyl

<221> modified\_base

<222> (20)...(21)

<223> 2' deoxythymidine

<400> 170

ucagagagau ccucauaaat t

21

<210> 171

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
3' end

<221> modified\_base

<222> (1)...(2)

<223> 2'-O-methyl

<221> modified\_base

<222> (20)...(21)

<223> 2' deoxythymidine

<400> 171

gugaugaug ucagagagut t

21

<210> 172

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
 3' end

<221> modified\_base  
 <222> (17)...(19)  
 <223> 2'-deoxy

<221> modified\_base  
 <222> (20)...(21)  
 <223> 2' deoxythymidine

<400> 172  
 acucucugac auacaucact t 21

<210> 173  
 <211> 21  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
 3' end

<221> modified\_base  
 <222> (16)...(18)  
 <223> 2'-deoxy

<221> modified\_base  
 <222> (20)...(21)  
 <223> 2' deoxythymidine

<400> 173  
 acucucugac auacaucact t 21

<210> 174  
 <211> 21  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
 3' end

<221> modified\_base  
 <222> (13)...(15)  
 <223> 2'-deoxy

<221> modified\_base  
 <222> (20)...(21)  
 <223> 2' deoxythymidine

<400> 174  
 acucucugac auacaucact t 21

<210> 175



<211> 21  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
     3' end  
  
 <221> modified\_base  
 <222> (10)...(12)  
 <223> 2'-deoxy  
  
 <221> modified\_base  
 <222> (20)...(21)  
 <223> 2' deoxythymidine  
  
 <400> 175  
 acucucugac auacaucact t 21  
  
 <210> 176  
 <211> 21  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
     3' end  
  
 <221> modified\_base  
 <222> (8)...(10)  
 <223> 2'-deoxy  
  
 <221> modified\_base  
 <222> (20)...(21)  
 <223> 2' deoxythymidine  
  
 <400> 176  
 acucucugac auacaucact t 21  
  
 <210> 177  
 <211> 21  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
     3' end  
  
 <221> modified\_base  
 <222> (4)...(6)  
 <223> 2'-deoxy  
  
 <221> modified\_base  
 <222> (20)...(21)  
 <223> 2' deoxythymidine

<400> 177  
 acucucugac auacaucact t 21  
  
 <210> 178  
 <211> 21  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
 3' end  
  
 <221> modified\_base  
 <222> (1)...(3)  
 <223> 2'-deoxy  
  
 <221> modified\_base  
 <222> (20)...(21)  
 <223> 2' deoxythymidine  
  
 <400> 178  
 acucucugac auacaucact t 21  
  
 <210> 179  
 <211> 21  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
 3' end  
  
 <221> modified\_base  
 <222> (18)...(19)  
 <223> 2'-deoxy  
  
 <221> modified\_base  
 <222> (20)...(21)  
 <223> 2' deoxythymidine  
  
 <400> 179  
 acucucugac auacaucact t 21  
  
 <210> 180  
 <211> 21  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
 3' end  
  
 <221> modified\_base  
 <222> (17)...(18)

<223> 2'-deoxy

<221> modified\_base

<222> (20)...(21)

<223> 2' deoxythymidine

<400> 180

acucucugac auacaucact t

21

<210> 181

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
3' end

<221> modified\_base

<222> (15)...(16)

<223> 2'-deoxy

<221> modified\_base

<222> (20)...(21)

<223> 2' deoxythymidine

<400> 181

acucucugac auacaucact t

21

<210> 182

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
3' end

<221> modified\_base

<222> (13)...(14)

<223> 2'-deoxy

<221> modified\_base

<222> (20)...(21)

<223> 2' deoxythymidine

<400> 182

acucucugac auacaucact t

21

<210> 183

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
3' end

<221> modified\_base

<222> (11)...(12)

<223> 2'-deoxy

<221> modified\_base

<222> (20)...(21)

<223> 2' deoxythymidine

<400> 183

acucucugac auacaucact t

21

<210> 184

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
3' end

<221> modified\_base

<222> (9)...(10)

<223> 2'-deoxy

<221> modified\_base

<222> (20)...(21)

<223> 2' deoxythymidine

<400> 184

acucucugac auacaucact t

21

<210> 185

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
3' end

<221> modified\_base

<222> (7)...(8)

<223> 2'-deoxy

<221> modified\_base

<222> (20)...(21)

<223> 2' deoxythymidine

<400> 185

acucucugac auacaucact t

21

<210> 186

<211> 21  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
 3' end  
  
 <221> modified\_base  
 <222> (5)...(6)  
 <223> 2'-deoxy  
  
 <221> modified\_base  
 <222> (20)...(21)  
 <223> 2' deoxythymidine  
  
 <400> 186  
 acucucugac auacaucact t 21  
  
 <210> 187  
 <211> 21  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
 3' end  
  
 <221> modified\_base  
 <222> (3)...(4)  
 <223> 2'-deoxy  
  
 <221> modified\_base  
 <222> (20)...(21)  
 <223> 2' deoxythymidine  
  
 <400> 187  
 acucucugac auacaucact t 21  
  
 <210> 188  
 <211> 21  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
 3' end  
  
 <221> modified\_base  
 <222> (1)...(2)  
 <223> 2'-deoxy  
  
 <221> modified\_base  
 <222> (20)...(21)  
 <223> 2' deoxythymidine

<400> 188  
 acucucugac auacaucact t 21  
  
 <210> 189  
 <211> 21  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
 3' end  
  
 <221> modified\_base  
 <222> (17)...(19)  
 <223> 2'-O-methyl  
  
 <221> modified\_base  
 <222> (20)...(21)  
 <223> 2' deoxythymidine  
  
 <400> 189  
 acucucugac auacaucact t 21  
  
 <210> 190  
 <211> 21  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
 3' end  
  
 <221> modified\_base  
 <222> (16)...(18)  
 <223> 2'-O-methyl  
  
 <221> modified\_base  
 <222> (20)...(21)  
 <223> 2' deoxythymidine  
  
 <400> 190  
 acucucugac auacaucact t 21  
  
 <210> 191  
 <211> 21  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
 3' end  
  
 <221> modified\_base  
 <222> (13)...(15)

<223> 2'-O-methyl

<221> modified\_base

<222> (20)...(21)

<223> 2' deoxythymidine

<400> 191

acucucugac auacaucact t

21

<210> 192

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
3' end

<221> modified\_base

<222> (10)...(12)

<223> 2'-O-methyl

<221> modified\_base

<222> (20)...(21)

<223> 2' deoxythymidine

<400> 192

acucucugac auacaucact t

21

<210> 193

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
3' end

<221> modified\_base

<222> (7)...(9)

<223> 2'-O-methyl

<221> modified\_base

<222> (20)...(21)

<223> 2' deoxythymidine

<400> 193

acucucugac auacaucact t

21

<210> 194

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
3' end

<221> modified\_base

<222> (4)...(6)

<223> 2'-O-methyl

<221> modified\_base

<222> (20)...(21)

<223> 2' deoxythymidine

<400> 194

acucucugac auacaucact t 21

<210> 195

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
3' end

<221> modified\_base

<222> (1)...(3)

<223> 2'-O-methyl

<221> modified\_base

<222> (20)...(21)

<223> 2' deoxythymidine

<400> 195

acucucugac auacaucact t 21

<210> 196

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
3' end

<221> modified\_base

<222> (18)...(19)

<223> 2'-O-methyl

<221> modified\_base

<222> (20)...(21)

<223> 2' deoxythymidine

<400> 196

acucucugac auacaucact t 21

<210> 197



<211> 21  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
     3' end  
  
 <221> modified\_base  
 <222> (17)...(18)  
 <223> 2'-O-methyl  
  
 <221> modified\_base  
 <222> (20)...(21)  
 <223> 2' deoxythymidine  
  
 <400> 197  
 acucucugac auacaucact t 21  
  
 <210> 198  
 <211> 21  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
     3' end  
  
 <221> modified\_base  
 <222> (15)...(16)  
 <223> 2'-O-methyl  
  
 <221> modified\_base  
 <222> (20)...(21)  
 <223> 2' deoxythymidine  
  
 <400> 198  
 acucucugac auacaucact t 21  
  
 <210> 199  
 <211> 21  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
     3' end  
  
 <221> modified\_base  
 <222> (13)...(14)  
 <223> 2'-O-methyl  
  
 <221> modified\_base  
 <222> (20)...(21)  
 <223> 2' deoxythymidine

<400> 199  
 acucucugac auacaucact t 21  
  
 <210> 200  
 <211> 21  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
 3' end  
  
 <221> modified\_base  
 <222> (11)...(12)  
 <223> 2'-O-methyl  
  
 <221> modified\_base  
 <222> (20)...(21)  
 <223> 2' deoxythymidine  
  
 <400> 200  
 acucucugac auacaucact t 21  
  
 <210> 201  
 <211> 21  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
 3' end  
  
 <221> modified\_base  
 <222> (9)...(10)  
 <223> 2'-O-methyl  
  
 <221> modified\_base  
 <222> (20)...(21)  
 <223> 2' deoxythymidine  
  
 <400> 201  
 acucucugac auacaucact t 21  
  
 <210> 202  
 <211> 21  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
 3' end  
  
 <221> modified\_base  
 <222> (7)...(8)

<223> 2'-O-methyl

<221> modified\_base

<222> (20)...(21)

<223> 2' deoxythymidine

<400> 202

acucucugac auacaucact t

21

<210> 203

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
3' end

<221> modified\_base

<222> (5)...(6)

<223> 2'-O-methyl

<221> modified\_base

<222> (20)...(21)

<223> 2' deoxythymidine

<400> 203

acucucugac auacaucact t

21

<210> 204

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
3' end

<221> modified\_base

<222> (3)...(4)

<223> 2'-O-methyl

<221> modified\_base

<222> (20)...(21)

<223> 2' deoxythymidine

<400> 204

acucucugac auacaucact t

21

<210> 205

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
3' end

<221> modified\_base

<222> (1)...(2)

<223> 2'-O-methyl

<221> modified\_base

<222> (20)...(21)

<223> 2' deoxythymidine

<400> 205

acucucugac auacaucact t

21

<210> 206

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
3' end

<221> modified\_base

<222> (17)...(19)

<223> 2'-deoxy

<221> modified\_base

<222> (20)...(21)

<223> 2' deoxythymidine

<400> 206

gugaugaug ucagagagut t

21

<210> 207

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
3' end

<221> modified\_base

<222> (16)...(18)

<223> 2'-deoxy

<221> modified\_base

<222> (20)...(21)

<223> 2' deoxythymidine

<400> 207

gugaugaug ucagagagut t

21

<210> 208

<211> 21  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
     3' end  
  
 <221> modified\_base  
 <222> (13)...(15)  
 <223> 2'-deoxy  
  
 <221> modified\_base  
 <222> (20)...(21)  
 <223> 2' deoxythymidine  
  
 <400> 208  
 gugaugaug ucagagagut t 21  
  
 <210> 209  
 <211> 21  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
     3' end  
  
 <221> modified\_base  
 <222> (10)...(12)  
 <223> 2'-deoxy  
  
 <221> modified\_base  
 <222> (20)...(21)  
 <223> 2' deoxythymidine  
  
 <400> 209  
 gugaugaug ucagagagut t 21  
  
 <210> 210  
 <211> 21  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
     3' end  
  
 <221> modified\_base  
 <222> (7)...(9)  
 <223> 2'-deoxy  
  
 <221> modified\_base  
 <222> (20)...(21)  
 <223> 2' deoxythymidine

<400> 210  
 gugaugaug ucagagagut t 21  
  
 <210> 211  
 <211> 21  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
 3' end  
  
 <221> modified\_base  
 <222> (4)...(6)  
 <223> 2'-deoxy  
  
 <221> modified\_base  
 <222> (20)...(21)  
 <223> 2' deoxythymidine  
  
 <400> 211  
 gugaugaug ucagagagut t 21  
  
 <210> 212  
 <211> 21  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
 3' end  
  
 <221> modified\_base  
 <222> (1)...(3)  
 <223> 2'-deoxy  
  
 <221> modified\_base  
 <222> (20)...(21)  
 <223> 2' deoxythymidine  
  
 <400> 212  
 gugaugaug ucagagagut t 21  
  
 <210> 213  
 <211> 21  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
 3' end  
  
 <221> modified\_base  
 <222> (18)...(19)

<223> 2'-deoxy

<221> modified\_base

<222> (20)...(21)

<223> 2' deoxythymidine

<400> 213

gugaugaug ucagagagut t

21

<210> 214

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
3' end

<221> modified\_base

<222> (17)...(18)

<223> 2'-deoxy

<221> modified\_base

<222> (20)...(21)

<223> 2' deoxythymidine

<400> 214

gugaugaug ucagagagut t

21

<210> 215

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
3' end

<221> modified\_base

<222> (15)...(16)

<223> 2'-deoxy

<221> modified\_base

<222> (20)...(21)

<223> 2' deoxythymidine

<400> 215

gugaugaug ucagagagut t

21

<210> 216

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
 3' end

<221> modified\_base  
 <222> (13)...(14)  
 <223> 2'-deoxy

<221> modified\_base  
 <222> (20)...(21)  
 <223> 2' deoxythymidine

<400> 216  
 gugaugaug ucagagagut t 21

<210> 217  
 <211> 21  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
 3' end

<221> modified\_base  
 <222> (11)...(12)  
 <223> 2'-deoxy

<221> modified\_base  
 <222> (20)...(21)  
 <223> 2' deoxythymidine

<400> 217  
 gugaugaug ucagagagut t 21

<210> 218  
 <211> 21  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
 3' end

<221> modified\_base  
 <222> (9)...(10)  
 <223> 2'-deoxy

<221> modified\_base  
 <222> (20)...(21)  
 <223> 2' deoxythymidine

<400> 218  
 gugaugaug ucagagagut t 21

<210> 219



<211> 21  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
 3' end  
  
 <221> modified\_base  
 <222> (7)...(8)  
 <223> 2'-deoxy  
  
 <221> modified\_base  
 <222> (20)...(21)  
 <223> 2' deoxythymidine  
  
 <400> 219  
 gugaugaug ucagagagut t 21  
  
 <210> 220  
 <211> 21  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
 3' end  
  
 <221> modified\_base  
 <222> (5)...(6)  
 <223> 2'-deoxy  
  
 <221> modified\_base  
 <222> (20)...(21)  
 <223> 2' deoxythymidine  
  
 <400> 220  
 gugaugaug ucagagagut t 21  
  
 <210> 221  
 <211> 21  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
 3' end  
  
 <221> modified\_base  
 <222> (3)...(4)  
 <223> 2'-deoxy  
  
 <221> modified\_base  
 <222> (20)...(21)  
 <223> 2' deoxythymidine

<400> 221  
 gugaugaug ucagagagut t 21

<210> 222  
 <211> 21  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
 3' end

<221> modified\_base  
 <222> (1)...(2)  
 <223> 2'-deoxy

<221> modified\_base  
 <222> (20)...(21)  
 <223> 2' deoxythymidine

<400> 222  
 gugaugaug ucagagagut t 21

<210> 223  
 <211> 21  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
 3' end

<221> modified\_base  
 <222> (17)...(19)  
 <223> 2'-O-methyl

<221> modified\_base  
 <222> (20)...(21)  
 <223> 2' deoxythymidine

<400> 223  
 gugaugaug ucagagagut t 21

<210> 224  
 <211> 21  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
 3' end

<221> modified\_base  
 <222> (16)...(18)

<223> 2'-O-methyl

<221> modified\_base

<222> (20)...(21)

<223> 2' deoxythymidine

<400> 224

gugaugaug ucagagagut t

21

<210> 225

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
3' end

<221> modified\_base

<222> (13)...(15)

<223> 2'-O-methyl

<221> modified\_base

<222> (20)...(21)

<223> 2' deoxythymidine

<400> 225

gugaugaug ucagagagut t

21

<210> 226

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
3' end

<221> modified\_base

<222> (10)...(12)

<223> 2'-O-methyl

<221> modified\_base

<222> (20)...(21)

<223> 2' deoxythymidine

<400> 226

gugaugaug ucagagagut t

21

<210> 227

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
3' end

<221> modified\_base

<222> (7)...(9)

<223> 2'-O-methyl

<221> modified\_base

<222> (20)...(21)

<223> 2' deoxythymidine

<400> 227

gugaugaug ucagagagut t 21

<210> 228

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
3' end

<221> modified\_base

<222> (4)...(6)

<223> 2'-O-methyl

<221> modified\_base

<222> (20)...(21)

<223> 2' deoxythymidine

<400> 228

gugaugaug ucagagagut t 21

<210> 229

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
3' end

<221> modified\_base

<222> (1)...(3)

<223> 2'-O-methyl

<221> modified\_base

<222> (20)...(21)

<223> 2' deoxythymidine

<400> 229

gugaugaug ucagagagut t 21

<210> 230

<211> 21  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
     3' end  
  
 <221> modified\_base  
 <222> (18)...(19)  
 <223> 2'-O-methyl  
  
 <221> modified\_base  
 <222> (20)...(21)  
 <223> 2' deoxythymidine  
  
 <400> 230  
 gugaugaug ucagagagut t 21  
  
 <210> 231  
 <211> 21  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
     3' end  
  
 <221> modified\_base  
 <222> (17)...(18)  
 <223> 2'-O-methyl  
  
 <221> modified\_base  
 <222> (20)...(21)  
 <223> 2' deoxythymidine  
  
 <400> 231  
 gugaugaug ucagagagut t 21  
  
 <210> 232  
 <211> 21  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
     3' end  
  
 <221> modified\_base  
 <222> (15)...(16)  
 <223> 2'-O-methyl  
  
 <221> modified\_base  
 <222> (20)...(21)  
 <223> 2' deoxythymidine

<400> 232  
 gugaugaug ucagagagut t 21

<210> 233  
 <211> 21  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
 3' end

<221> modified\_base  
 <222> (13)...(14)  
 <223> 2'-O-methyl

<221> modified\_base  
 <222> (20)...(21)  
 <223> 2' deoxythymidine

<400> 233  
 gugaugaug ucagagagut t 21

<210> 234  
 <211> 21  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
 3' end

<221> modified\_base  
 <222> (11)...(12)  
 <223> 2'-O-methyl

<221> modified\_base  
 <222> (20)...(21)  
 <223> 2' deoxythymidine

<400> 234  
 gugaugaug ucagagagut t 21

<210> 235  
 <211> 21  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
 3' end

<221> modified\_base  
 <222> (9)...(10)

<223> 2'-O-methyl  
 <221> modified\_base  
 <222> (20)...(21)  
 <223> 2' deoxythymidine  
 <400> 235  
 gugaugaug ucagagagut t 21  
 <210> 236  
 <211> 21  
 <212> DNA  
 <213> Artificial Sequence  
 <220>  
 <223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
 3' end  
 <221> modified\_base  
 <222> (7)...(8)  
 <223> 2'-O-methyl  
 <221> modified\_base  
 <222> (20)...(21)  
 <223> 2' deoxythymidine  
 <400> 236  
 gugaugaug ucagagagut t 21  
 <210> 237  
 <211> 21  
 <212> DNA  
 <213> Artificial Sequence  
 <220>  
 <223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
 3' end  
 <221> modified\_base  
 <222> (5)...(6)  
 <223> 2'-O-methyl  
 <221> modified\_base  
 <222> (20)...(21)  
 <223> 2' deoxythymidine  
 <400> 237  
 gugaugaug ucagagagut t 21  
 <210> 238  
 <211> 21  
 <212> DNA  
 <213> Artificial Sequence  
 <220>

<223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
3' end

<221> modified\_base

<222> (3)...(4)

<223> 2'-O-methyl

<221> modified\_base

<222> (20)...(21)

<223> 2' deoxythymidine

<400> 238

gugaugaug ucagagagut t 21

<210> 239

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
3' end

<221> modified\_base

<222> 19

<223> 2'-O-methyl

<221> modified\_base

<222> (20)...(21)

<223> 2' deoxythymidine

<400> 239

gugaugaug ucagagagut t 21

<210> 240

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
3' end

<221> modified\_base

<222> 18

<223> 2'-O-methyl

<221> modified\_base

<222> (20)...(21)

<223> 2' deoxythymidine

<400> 240

gugaugaug ucagagagut t 21

<210> 241



<211> 21  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
     3' end  
  
 <221> modified\_base  
 <222> 17  
 <223> 2'-O-methyl  
  
 <221> modified\_base  
 <222> (20)...(21)  
 <223> 2' deoxythymidine  
  
 <400> 241  
 gugaugaug ucagagagut t 21  
  
 <210> 242  
 <211> 21  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
     3' end  
  
 <221> modified\_base  
 <222> 16  
 <223> 2'-O-methyl  
  
 <221> modified\_base  
 <222> (20)...(21)  
 <223> 2' deoxythymidine  
  
 <400> 242  
 gugaugaug ucagagagut t 21  
  
 <210> 243  
 <211> 21  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
     3' end  
  
 <221> modified\_base  
 <222> 15  
 <223> 2'-O-methyl  
  
 <221> modified\_base  
 <222> (20)...(21)  
 <223> 2' deoxythymidine

<400> 243  
 gugaugaug ucagagagut t 21  
  
 <210> 244  
 <211> 21  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
 3' end  
  
 <221> modified\_base  
 <222> 14  
 <223> 2'-O-methyl  
  
 <221> modified\_base  
 <222> (20)...(21)  
 <223> 2' deoxythymidine  
  
 <400> 244  
 gugaugaug ucagagagut t 21  
  
 <210> 245  
 <211> 21  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
 3' end  
  
 <221> modified\_base  
 <222> 13  
 <223> 2'-O-methyl  
  
 <221> modified\_base  
 <222> (20)...(21)  
 <223> 2' deoxythymidine  
  
 <400> 245  
 gugaugaug ucagagagut t 21  
  
 <210> 246  
 <211> 21  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
 3' end  
  
 <221> modified\_base  
 <222> 12

<223> 2'-O-methyl

<221> modified\_base

<222> (20)...(21)

<223> 2' deoxythymidine

<400> 246

gugaugaug ucagagagut t

21

<210> 247

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
3' end

<221> modified\_base

<222> 11

<223> 2'-O-methyl

<221> modified\_base

<222> (20)...(21)

<223> 2' deoxythymidine

<400> 247

gugaugaug ucagagagut t

21

<210> 248

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
3' end

<221> modified\_base

<222> 10

<223> 2'-O-methyl

<221> modified\_base

<222> (20)...(21)

<223> 2' deoxythymidine

<400> 248

gugaugaug ucagagagut t

21

<210> 249

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
3' end

<221> modified\_base

<222> 9

<223> 2'-O-methyl

<221> modified\_base

<222> (20)...(21)

<223> 2' deoxythymidine

<400> 249

gugaugaug ucagagagut t 21

<210> 250

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
3' end

<221> modified\_base

<222> 8

<223> 2'-O-methyl

<221> modified\_base

<222> (20)...(21)

<223> 2' deoxythymidine

<400> 250

gugaugaug ucagagagut t 21

<210> 251

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
3' end

<221> modified\_base

<222> 7

<223> 2'-O-methyl

<221> modified\_base

<222> (20)...(21)

<223> 2' deoxythymidine

<400> 251

gugaugaug ucagagagut t 21

<210> 252

<211> 21  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
     3' end  
  
 <221> modified\_base  
 <222> 6  
 <223> 2'-O-methyl  
  
 <221> modified\_base  
 <222> (20)...(21)  
 <223> 2' deoxythymidine  
  
 <400> 252  
 gugaugaug ucagagagut t 21  
  
 <210> 253  
 <211> 21  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
     3' end  
  
 <221> modified\_base  
 <222> 6  
 <223> 2'-O-methyl  
  
 <221> modified\_base  
 <222> (20)...(21)  
 <223> 2' deoxythymidine  
  
 <400> 253  
 gugaugaug ucagagagut t 21  
  
 <210> 254  
 <211> 21  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
     3' end  
  
 <221> modified\_base  
 <222> 4  
 <223> 2'-O-methyl  
  
 <221> modified\_base  
 <222> (20)...(21)  
 <223> 2' deoxythymidine

<400> 254  
 gugaugaug ucagagagut t 21  
  
 <210> 255  
 <211> 21  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
 3' end  
  
 <221> modified\_base  
 <222> 3  
 <223> 2'-O-methyl  
  
 <221> modified\_base  
 <222> (20)...(21)  
 <223> 2' deoxythymidine  
  
 <400> 255  
 gugaugaug ucagagagut t 21  
  
 <210> 256  
 <211> 21  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
 3' end  
  
 <221> modified\_base  
 <222> 2  
 <223> 2'-O-methyl  
  
 <221> modified\_base  
 <222> (20)...(21)  
 <223> 2' deoxythymidine  
  
 <400> 256  
 gugaugaug ucagagagut t 21  
  
 <210> 257  
 <211> 21  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
 3' end  
  
 <221> modified\_base  
 <222> 1

<223> 2'-O-methylcmnm5u

<221> modified\_base

<222> (20)...(21)

<223> 2' deoxythymidine

<400> 257

gugaugaug ucagagagut t

21

<210> 258

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
3' end

<221> modified\_base

<222> 19

<223> 2'-O-methyl

<221> modified\_base

<222> (20)...(21)

<223> 2' deoxythymidine

<400> 258

acucucugac auacaucact t

21

<210> 259

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
3' end

<221> modified\_base

<222> 18

<223> 2'-O-methyl

<221> modified\_base

<222> (20)...(21)

<223> 2' deoxythymidine

<400> 259

acucucugac auacaucact t

21

<210> 260

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
3' end

<221> modified\_base

<222> 17

<223> 2'-O-methyl

<221> modified\_base

<222> (20)...(21)

<223> 2' deoxythymidine

<400> 260

acucucugac auacaucact t 21

<210> 261

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
3' end

<221> modified\_base

<222> (0)...(0)

<223> 2'-O-methyl

<221> modified\_base

<222> (20)...(21)

<223> 2' deoxythymidine

<400> 261

acucucugac auacaucact t 21

<210> 262

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
3' end

<221> modified\_base

<222> 15

<223> 2'-O-methyl

<221> modified\_base

<222> (20)...(21)

<223> 2' deoxythymidine

<400> 262

acucucugac auacaucact t 21

<210> 263



<211> 21  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
 3' end  
  
 <221> modified\_base  
 <222> 14  
 <223> 2'-O-methyl  
  
 <221> modified\_base  
 <222> (20)...(21)  
 <223> 2' deoxythymidine  
  
 <400> 263  
 acucucugac auacaucact t 21  
  
 <210> 264  
 <211> 21  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
 3' end  
  
 <221> modified\_base  
 <222> 13  
 <223> 2'-O-methylcmnm5s2u  
  
 <221> modified\_base  
 <222> (20)...(21)  
 <223> 2' deoxythymidine  
  
 <400> 264  
 acucucugac auacaucact t 21  
  
 <210> 265  
 <211> 21  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
 3' end  
  
 <221> modified\_base  
 <222> 13  
 <223> 2'-O-methyl  
  
 <221> modified\_base  
 <222> (20)...(21)  
 <223> 2' deoxythymidine

<400> 265  
 acucucugac auacaucact t 21  
  
 <210> 266  
 <211> 21  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
 3' end  
  
 <221> modified\_base  
 <222> 11  
 <223> 2'-O-methyl  
  
 <221> modified\_base  
 <222> (20)...(21)  
 <223> 2' deoxythymidine  
  
 <400> 266  
 acucucugac auacaucact t 21  
  
 <210> 267  
 <211> 21  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
 3' end  
  
 <221> modified\_base  
 <222> 10  
 <223> 2'-O-methyl  
  
 <221> modified\_base  
 <222> (20)...(21)  
 <223> 2' deoxythymidine  
  
 <400> 267  
 acucucugac auacaucact t 21  
  
 <210> 268  
 <211> 21  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
 3' end  
  
 <221> modified\_base  
 <222> 9

<223> 2'-O-methyl

<221> modified\_base

<222> (20)...(21)

<223> 2' deoxythymidine

<400> 268

acucucugac auacaucact t

21

<210> 269

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
3' end

<221> modified\_base

<222> 8

<223> 2'-O-methyl

<221> modified\_base

<222> (20)...(21)

<223> 2' deoxythymidine

<400> 269

acucucugac auacaucact t

21

<210> 270

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
3' end

<221> modified\_base

<222> 7

<223> 2'-O-methyl

<221> modified\_base

<222> (20)...(21)

<223> 2' deoxythymidine

<400> 270

acucucugac auacaucact t

21

<210> 271

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

>  
<223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
3' end

<221> modified\_base

<222> 6

<223> 2'-O-methyl

<221> modified\_base

<222> (20)...(21)

<223> 2' deoxythymidine

<400> 271

acucucugac auacaucact t 21

<210> 272

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
3' end

<221> modified\_base

<222> 5

<223> 2'-O-methyl

<221> modified\_base

<222> (20)...(21)

<223> 2' deoxythymidine

<400> 272

acucucugac auacaucact t 21

<210> 273

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
3' end

<221> modified\_base

<222> 4

<223> 2'-O-methyl

<221> modified\_base

<222> (20)...(21)

<223> 2' deoxythymidine

<400> 273

acucucugac auacaucact t 21

<210> 274

<211> 21  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
     3' end  
  
 <221> modified\_base  
 <222> 3  
 <223> 2'-O-methyl  
  
 <221> modified\_base  
 <222> (20)...(21)  
 <223> 2' deoxythymidine  
  
 <400> 274  
 acucucugac auacaucact t 21  
  
 <210> 275  
 <211> 21  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
     3' end  
  
 <221> modified\_base  
 <222> 2  
 <223> 2'-O-methyl  
  
 <221> modified\_base  
 <222> (20)...(21)  
 <223> 2' deoxythymidine  
  
 <400> 275  
 acucucugac auacaucact t 21  
  
 <210> 276  
 <211> 21  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
     3' end  
  
 <221> modified\_base  
 <222> 1  
 <223> 2'-O-methyl  
  
 <221> modified\_base  
 <222> (20)...(21)  
 <223> 2' deoxythymidine

<400> 276  
 acucucugac auacaucact t 21  
  
 <210> 277  
 <211> 21  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
 3' end  
  
 <221> modified\_base  
 <222> 19  
 <223> 2'-deoxy  
  
 <221> modified\_base  
 <222> (20)...(21)  
 <223> 2' deoxythymidine  
  
 <400> 277  
 gugaugaug ucagagagut t 21  
  
 <210> 278  
 <211> 21  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
 3' end  
  
 <221> modified\_base  
 <222> 18  
 <223> 2'-deoxy  
  
 <221> modified\_base  
 <222> (20)...(21)  
 <223> 2' deoxythymidine  
  
 <400> 278  
 gugaugaug ucagagagut t 21  
  
 <210> 279  
 <211> 21  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
 3' end  
  
 <221> modified\_base  
 <222> 17

<223> 2'-deoxy

<221> modified\_base

<222> (20)...(21)

<223> 2' deoxythymidine

<400> 279

gugaugaug ucagagagut t

21

<210> 280

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
3' end

<221> modified\_base

<222> 16

<223> 2'-deoxy

<221> modified\_base

<222> (20)...(21)

<223> 2' deoxythymidine

<400> 280

gugaugaug ucagagagut t

21

<210> 281

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
3' end

<221> modified\_base

<222> 15

<223> 2'-deoxy

<221> modified\_base

<222> (20)...(21)

<223> 2' deoxythymidine

<400> 281

gugaugaug ucagagagut t

21

<210> 282

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
3' end

<221> modified\_base

<222> 14

<223> 2'-deoxy

<221> modified\_base

<222> (20)...(21)

<223> 2' deoxythymidine

<400> 282

gugaugaug ucagagagut t 21

<210> 283

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
3' end

<221> modified\_base

<222> 13

<223> 2'-deoxy

<221> modified\_base

<222> (20)...(21)

<223> 2' deoxythymidine

<400> 283

gugaugaug ucagagagut t 21

<210> 284

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
3' end

<221> modified\_base

<222> 12

<223> 2'-deoxy

<221> modified\_base

<222> (20)...(21)

<223> 2' deoxythymidine

<400> 284

gugaugaug ucagagagut t 21

<210> 285



<211> 21  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
 3' end  
  
 <221> modified\_base  
 <222> 11  
 <223> 2'-deoxy  
  
 <221> modified\_base  
 <222> (20)...(21)  
 <223> 2' deoxythymidine  
  
 <400> 285  
 gugaugaug ucagagagut t 21  
  
 <210> 286  
 <211> 21  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
 3' end  
  
 <221> modified\_base  
 <222> 10  
 <223> 2'-deoxy  
  
 <221> modified\_base  
 <222> (20)...(21)  
 <223> 2' deoxythymidine  
  
 <400> 286  
 gugaugaug ucagagagut t 21  
  
 <210> 287  
 <211> 21  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
 3' end  
  
 <221> modified\_base  
 <222> 9  
 <223> 2'-deoxy  
  
 <221> modified\_base  
 <222> (20)...(21)  
 <223> 2' deoxythymidine

<400> 287  
 gugaugaug ucagagagut t 21  
  
 <210> 288  
 <211> 21  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
 3' end  
  
 <221> modified\_base  
 <222> 8  
 <223> 2'-deoxy  
  
 <221> modified\_base  
 <222> (20)...(21)  
 <223> 2' deoxythymidine  
  
 <400> 288  
 gugaugaug ucagagagut t 21  
  
 <210> 289  
 <211> 21  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
 3' end  
  
 <221> modified\_base  
 <222> 7  
 <223> 2'-deoxy  
  
 <221> modified\_base  
 <222> (20)...(21)  
 <223> 2' deoxythymidine  
  
 <400> 289  
 gugaugaug ucagagagut t 21  
  
 <210> 290  
 <211> 21  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
 3' end  
  
 <221> modified\_base  
 <222> 6

<223> 2'-deoxy

<221> modified\_base

<222> (20)...(21)

<223> 2' deoxythymidine

<400> 290

gugaugaug ucagagagut t

21

<210> 291

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
3' end

<221> modified\_base

<222> 5

<223> 2'-deoxy

<221> modified\_base

<222> (20)...(21)

<223> 2' deoxythymidine

<400> 291

gugaugaug ucagagagut t

21

<210> 292

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
3' end

<221> modified\_base

<222> 4

<223> 2'-deoxy

<221> modified\_base

<222> (20)...(21)

<223> 2' deoxythymidine

<400> 292

gugaugaug ucagagagut t

21

<210> 293

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
3' end

<221> modified\_base

<222> 3

<223> 2'-deoxy

<221> modified\_base

<222> (20)...(21)

<223> 2' deoxythymidine

<400> 293

gugaugaug ucagagagut t 21

<210> 294

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
3' end

<221> modified\_base

<222> 2

<223> 2'-deoxy

<221> modified\_base

<222> (20)...(21)

<223> 2' deoxythymidine

<400> 294

gugaugaug ucagagagut t 21

<210> 295

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
3' end

<221> modified\_base

<222> 1

<223> 2'-deoxy

<221> modified\_base

<222> (20)...(21)

<223> 2' deoxythymidine

<400> 295

gugaugaug ucagagagut t 21

<210> 296

<211> 21  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
     3' end  
  
 <221> modified\_base  
 <222> 19  
 <223> 2'-deoxy  
  
 <221> modified\_base  
 <222> (20)...(21)  
 <223> 2' deoxythymidine  
  
 <400> 296  
 acucucugac auacaucaact t 21  
  
 <210> 297  
 <211> 21  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
     3' end  
  
 <221> modified\_base  
 <222> 18  
 <223> 2'-deoxy  
  
 <221> modified\_base  
 <222> (20)...(21)  
 <223> 2' deoxythymidine  
  
 <400> 297  
 acucucugac auacaucaact t 21  
  
 <210> 298  
 <211> 21  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
     3' end  
  
 <221> modified\_base  
 <222> 17  
 <223> 2'-deoxy  
  
 <221> modified\_base  
 <222> (20)...(21)  
 <223> 2' deoxythymidine

<400> 298  
 acucucugac auacaucact t 21  
  
 <210> 299  
 <211> 21  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
 3' end  
  
 <221> modified\_base  
 <222> 16  
 <223> 2'-deoxy  
  
 <221> modified\_base  
 <222> (20)...(21)  
 <223> 2' deoxythymidine  
  
 <400> 299  
 acucucugac auacaucact t 21  
  
 <210> 300  
 <211> 21  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
 3' end  
  
 <221> modified\_base  
 <222> 15  
 <223> 2'-deoxy  
  
 <221> modified\_base  
 <222> (20)...(21)  
 <223> 2' deoxythymidine  
  
 <400> 300  
 acucucugac auacaucact t 21  
  
 <210> 301  
 <211> 21  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
 3' end  
  
 <221> modified\_base  
 <222> 14

<223> 2'-deoxy

<221> modified\_base

<222> (20)...(21)

<223> 2' deoxythymidine

<400> 301

acucucugac auacaucact t

21

<210> 302

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
3' end

<221> modified\_base

<222> 13

<223> 2'-deoxy

<221> modified\_base

<222> (20)...(21)

<223> 2' deoxythymidine

<400> 302

acucucugac auacaucact t

21

<210> 303

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
3' end

<221> modified\_base

<222> 12

<223> 2'-deoxy

<221> modified\_base

<222> (20)...(21)

<223> 2' deoxythymidine

<400> 303

acucucugac auacaucact t

21

<210> 304

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
 3' end

<221> modified\_base  
 <222> 11  
 <223> 2'-deoxy

<221> modified\_base  
 <222> (20)...(21)  
 <223> 2' deoxythymidine

<400> 304  
 acucucugac auacaucact t 21

<210> 305  
 <211> 21  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
 3' end

<221> modified\_base  
 <222> 10  
 <223> 2'-deoxy

<221> modified\_base  
 <222> (20)...(21)  
 <223> 2' deoxythymidine

<400> 305  
 acucucugac auacaucact t 21

<210> 306  
 <211> 21  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
 3' end

<221> modified\_base  
 <222> 9  
 <223> 2'-deoxy

<221> modified\_base  
 <222> (20)...(21)  
 <223> 2' deoxythymidine

<400> 306  
 acucucugac auacaucact t 21

<210> 307



<211> 21  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
 3' end  
  
 <221> modified\_base  
 <222> 8  
 <223> 2'-deoxy  
  
 <221> modified\_base  
 <222> (20)...(21)  
 <223> 2' deoxythymidine  
  
 <400> 307  
 acucucugac auacaucact t 21  
  
 <210> 308  
 <211> 21  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
 3' end  
  
 <221> modified\_base  
 <222> 7  
 <223> 2'-deoxy  
  
 <221> modified\_base  
 <222> (20)...(21)  
 <223> 2' deoxythymidine  
  
 <400> 308  
 acucucugac auacaucact t 21  
  
 <210> 309  
 <211> 21  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
 3' end  
  
 <221> modified\_base  
 <222> 6  
 <223> 2'-deoxy  
  
 <221> modified\_base  
 <222> (20)...(21)  
 <223> 2' deoxythymidine

<400> 309  
 acucucugac auacaucact t 21  
  
 <210> 310  
 <211> 21  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
 3' end  
  
 <221> modified\_base  
 <222> 5  
 <223> 2'-deoxy  
  
 <221> modified\_base  
 <222> (20)...(21)  
 <223> 2' deoxythymidine  
  
 <400> 310  
 acucucugac auacaucact t 21  
  
 <210> 311  
 <211> 21  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
 3' end  
  
 <221> modified\_base  
 <222> (0)...(0)  
 <223> 2'-deoxy  
  
 <221> modified\_base  
 <222> (20)...(21)  
 <223> 2' deoxythymidine  
  
 <400> 311  
 acucucugac auacaucact t 21  
  
 <210> 312  
 <211> 21  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
 3' end  
  
 <221> modified\_base  
 <222> 3

<223> 2'-deoxy

<221> modified\_base

<222> (20)...(21)

<223> 2' deoxythymidine

<400> 312

acucucugac auacaucact t

21

<210> 313

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
3' end

<221> modified\_base

<222> 2

<223> 2'-deoxy

<221> modified\_base

<222> (20)...(21)

<223> 2' deoxythymidine

<400> 313

acucucugac auacaucact t

21

<210> 314

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<221> modified\_base

<222> (20)...(21)

<223> 2' deoxythymidine

<223> RNA/DNA, synthetic, RNA with 2'deoxythymidines at  
3' end

<221> modified\_base

<222> 1

<223> 2'-deoxy

<400> 314

acucucugac auacaucact t

21